

Magnetically compatible electrochemical cell

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Inventor(s): TAKEUCHI ESTHER S (US)
Applicant(s): GREATBATCH W LTD (US)
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Abstract

An electrochemical cell that is useful in the vicinity of the strong magnetic fields of a magnetic resonance imaging machine is described. The cell can be a primary or a secondary system having lithium as an anode active material. A preferred couple is Li/CF_x housed in a titanium casing with a titanium internal cell components.

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Bibliographic Information

Secondary nonaqueous electrolyte batteries containing magnetic additives. Yamazaki, Kanya; Noma, Toshiyuki; Nishio, Akiji. (Sanyo Electric Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho (1998), 6 pp. CODEN: JKXXAF JP 10106577 A2 19980424 Heisei. Patent written in Japanese. Application: JP 96-256315 19960927. CAN 128:272815 AN 1998:250880 CAPLUS (Copyright 2002 ACS)

Patent Family Information

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Abstract

The batteries use electrodes contg. a magnetic additive in their active mass layers. The additives may be ferrite or samarium magnets, the anodes are carbonaceous anodes, and the cathodes are Li contg. Fe, Mn, and/or Co oxide.